

# FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs FL 32715-0597 Phone 407-339-5984 Fax 407-260-6110 www.flowerslabs.com  
8253 South U.S. Highway 1, Port St. Lucie FL 34952-2860 Phone 772-343-8006 Fax 772-343-8089  
P.O. Box 1200, Madison FL 32341 Phone 850-973-6878 Fax 850-973-6878

City of Key West  
PO Box 6434  
Key West, FL 33041-6464

PO #: n/a  
Client Project #: Water Testing at Key West Bight  
Date Sampled: Jul 9, 2008  
Jul 14, 2008; Invoice: 70853

## Report Summary

Date Received: Jul 9, 2008

FCL Project Manager: June S. Flowers

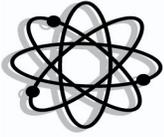
| Laboratory # | Sample Description | Analysis             | Chemist    | Location               | Sample Matrix |
|--------------|--------------------|----------------------|------------|------------------------|---------------|
| 70853SW1     | KWB 1-S            | SM9222 B<br>SM9222 D | DDB<br>DDB | South Lab<br>South Lab | Surface Water |
| 70853SW2     | KWB 2-S            | SM9222 B<br>SM9222 D | DDB<br>DDB | South Lab<br>South Lab | Surface Water |
| 70853SW3     | KWB 3-S            | SM9222 B<br>SM9222 D | DDB<br>DDB | South Lab<br>South Lab | Surface Water |
| 70853SW4     | KWB 5-S            | SM9222 B<br>SM9222 D | DDB<br>DDB | South Lab<br>South Lab | Surface Water |

## Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



Jefferson S. Flowers, Ph.D.  
President/Technical Director



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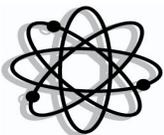
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### Analysis Report

| Lab #:                 | Sampled:                          | Desc:                | Parameter      | Result | Units     | DF   | MDL  | PQL  | QC Batch | Method   | CAS #   | Analyzed          |
|------------------------|-----------------------------------|----------------------|----------------|--------|-----------|------|------|------|----------|----------|---------|-------------------|
| <b>Lab #:</b> 70853SW1 | <b>Sampled:</b> 07/09/08 08:15 AM | <b>Desc:</b> KWB 1-S |                |        |           |      |      |      |          |          |         |                   |
|                        |                                   |                      | Fecal_Coliform | 26.0   | cfu/100mL | 1.00 | 1.00 | 1.00 | 10107739 | SM9222 D | E761792 | 07/09/08 03:45 PM |
|                        |                                   |                      | Total Coliform | 62.0   | cfu/100mL | 2.00 | 2.00 | 2.00 | 10107746 | SM9222 B | E761700 | 07/09/08 03:10 PM |
| <b>Lab #:</b> 70853SW2 | <b>Sampled:</b> 07/09/08 08:20 AM | <b>Desc:</b> KWB 2-S |                |        |           |      |      |      |          |          |         |                   |
|                        |                                   |                      | Fecal_Coliform | 1.00 U | cfu/100mL | 1.00 | 1.00 | 1.00 | 10107739 | SM9222 D | E761792 | 07/09/08 03:45 PM |
|                        |                                   |                      | Total Coliform | 2.00 U | cfu/100mL | 2.00 | 2.00 | 2.00 | 10107746 | SM9222 B | E761700 | 07/09/08 03:10 PM |
| <b>Lab #:</b> 70853SW3 | <b>Sampled:</b> 07/09/08 08:23 AM | <b>Desc:</b> KWB 3-S |                |        |           |      |      |      |          |          |         |                   |
|                        |                                   |                      | Fecal_Coliform | 75.0 B | cfu/100mL | 1.00 | 1.00 | 1.00 | 10107739 | SM9222 D | E761792 | 07/09/08 03:45 PM |
|                        |                                   |                      | Total Coliform | 76.0   | cfu/100mL | 2.00 | 2.00 | 2.00 | 10107746 | SM9222 B | E761700 | 07/09/08 03:10 PM |
| <b>Lab #:</b> 70853SW4 | <b>Sampled:</b> 07/09/08 08:35 AM | <b>Desc:</b> KWB 5-S |                |        |           |      |      |      |          |          |         |                   |
|                        |                                   |                      | Fecal_Coliform | 1.00 U | cfu/100mL | 1.00 | 1.00 | 1.00 | 10107739 | SM9222 D | E761792 | 07/09/08 03:45 PM |
|                        |                                   |                      | Total Coliform | 2.00 U | cfu/100mL | 2.00 | 2.00 | 2.00 | 10107746 | SM9222 B | E761700 | 07/09/08 03:10 PM |



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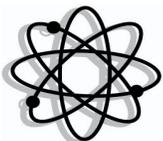
## Quality Report

**Quality Control Batch:** 10107746

**Analyst:** DDB

**Blank**  
Total Coliform

| <b>Result</b> | <b>Units</b> |
|---------------|--------------|
| 1.00U         | cfu/100mL    |



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## Narrative Report

### Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted. Sample results reported as dissolved were field filtered.

### Quality Control

Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

### Attachments

Chain of Custody  
Field Data

### Qualifier

### Meaning

|       |  |
|-------|--|
| U     | Compound was analyzed for but not detected.  |
| J     | One or more QC samples associated with this data value exceeded QC limits.                                       |
| J1    | Surrogate recovery limits have been exceeded.  |
| J2    | No known quality control criteria exist for the component.   |
| J3    | Reported value failed to meet established quality control criteria for either precision or accuracy.             |
| J4    | Sample matrix interfered with the ability to make an accurate determination on the spiked sample.                |
| Q     | Sample held beyond the accepted holding time.  |
| L     | Off-scale high; reported concentration exceeds the highest standard.   |
| V     | Analyte was detected in both the sample and the associated method blank.   |
| ZTNTC | Too numerous to count. Numeric value represents filtration volume.   |
| A     | Absent   |
| P     | Present  |
| T     | Value reported is less than the statistical method detection limit. Reported for informational purposes only.    |
| M     | Value reported is greater than the statistical method detection limit, but less than the reported MDL.           |
| G     | The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.                |
| S     | The least of the dilutions performed did not yield sufficient oxygen residual for valid data.                    |
| O     | Result is greater than (over) the specified value.   |
| I     | Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit. |
| B     | Results based upon colony plate count outside ideal range.   |
| Y     | The laboratory analysis was from an improperly preserved sample. The data may not be accurate.                   |